## **Supplemental Material**

## Variability of Organophosphorous Pesticide Metabolite Levels in Spot and 24-hr Urine Samples Collected from Young Children during 1 Week

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Supplemental Table S1. The variance apportionment of log-transformed unadjusted total DAP metabolite concentrations and log-transformed urinary excretion rate (UER) values in spot urine samples collected during one week and in 24-hour voids collected 3 days apart (N=25 children)

		Unadjusted Total DAPs % Total			Total DAPs UER % Total		
Type of Sample	$N^{a}$	Variance	Variance	ICC	Variance	Variance	ICC
Non-FMV Spot Samples							
Between child	137	0.043	16%	$0.16^{\mathbf{b}}$	0.036	10%	$0.10^{\mathbf{b}}$
Within child, between day		0.073	26%		0.155	43%	
Within child, within day		0.162	58%		0.171	47%	
First Morning Void (FMV) Samp	oles						
Between child	110	0.082	30%	0.30	0.046	12%	0.13
Within child <sup>c</sup>		0.194	70%		0.334%	88%	
<b>Any Spot Samples (FMV or Non-</b>	·FMV)						
Between child	247	0.061	21%	$0.21^{\mathbf{b}}$	0.056	15%	$0.15^{\mathbf{b}}$
Within child, between day		0.041	14%		0.060	16%	
Within child, within day		0.185	64%		0.260	69%	
24-Hour Voids							
Between child	50	0.028	14%	0.14	0.052	26%	0.26
Within child <sup>c</sup>		0.169	86%		0.148	74%	

<sup>&</sup>lt;sup>a</sup> Number of samples used in calculation of variance. <sup>b</sup> The ICC presented is the ratio of between-child to total variability as calculated using a one-factor (child) as opposed to a two-factor nested mixed-effects model. <sup>c</sup>Because FMV spots and 24-hour voids allow only one measure per day, the distinction between within-day versus between-day variability is not applicable.